

AMENDMENTS TO THE CLAIMS

The claims in this listing will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS

1. (Previously Presented) A digital broadcast system comprising:  
  
a broadcast device that multiplexes and broadcasts contents and information on the type of the contents; and  
  
a receiving device that determines whether the contents are restorable based on the information on the type of the contents before performing a restoration process on the contents, and changes the restoration process according to the determination.
  
2. (Previously Presented) A broadcast device for a digital broadcast system that multiplexes and broadcasts contents and information on the type of the contents, the information on the type of the contents being configured to allow a determination of whether the contents are restorable.
  
3. (Previously Presented) A receiving device for a digital broadcast system that determines whether contents are restorable based on information on the type of the contents before restoring the contents and changes a restoration process according to the determination.

4. (Previously Presented) The receiving device of claim 3, wherein a set of contents are repeatedly transmitted and only contents selected from the set of contents are restored and displayed on the receiving device.

5. (Previously Presented) The receiving device of claim 3, wherein the information on the type of contents includes information on the type of a plurality of content elements contained in corresponding contents.

6. (Previously Presented) The receiving device of claim 5, wherein the receiving device does not restore any of the contents if any of a plurality of content elements contained in the contents is not restorable.

7. (Previously Presented) The receiving device of claim 5, wherein if any of a plurality of content elements contained in the contents is not restorable, the receiving device does not restore only the content elements that are not restorable.

8. (Previously Presented) The receiving device of claim 3, wherein, when handling information, that corresponds to the information on the type of contents is transmitted from a broadcast device and the receiving device, determines on the basis of the information on the type of the contents, that the contents are not restorable, the receiving device determines, based on the handling information, either to restore and display the contents in an incomplete state or not to restore the contents at all and not to display the contents.

9. (Previously Presented) The receiving device of claim 3, wherein a plurality of pieces of information on the types of contents for a plurality of contents are collectively transmitted.

10. (Previously Presented) The receiving device of claim 3, wherein the receiving device stores information on types of restorable contents, and compares the stored information with information on the type of received contents to determine whether the received contents are restorable.

11. (Previously Presented) A reception program for a receiving device, wherein said reception program causes said receiving device to perform operations comprising:

determining whether contents are restorable based on information on the type of the contents; and

changing a process for restoring the contents according to the determination.

12. (Previously Presented) A digital broadcast method for broadcasting contents from a broadcasting party to at least one receiving party, comprising:

multiplexing and broadcasting the contents and information on the type of the contents;

determining whether the contents are restorable based on the information on the type of contents before performing a restoration process on the contents, and

not performing a restoration process on the contents when the contents are determined not to be restorable.

13. (Previously Presented) A digital broadcast system comprising:

a broadcast device that multiplexes and broadcasts contents, information on the type of the contents, and information on a location where a program for restoring the contents is to be acquired; and

a receiving device that determines, before performing a restoration process on the contents, whether the contents are restorable based on the information on the type of the contents, and if it determines that the contents are not restorable, acquires the program based on the acquisition location information and performs the restoration process on the contents based upon the program.

14. (Previously Presented) The digital broadcast system of claim 13, wherein the broadcast device further broadcasts information on conditions necessary for acquiring the program by the receiving device, and the receiving device determines whether or not the program can be acquired based on the necessary conditions information received.

15. (Previously Presented) A broadcast device for a digital broadcast system that multiplexes and broadcasts contents, information on the type of the contents, and information on a location where a program for restoring the contents is to be acquired.

16. (Previously Presented) The broadcast device of claim 15, wherein the device further broadcasts information on conditions necessary for acquiring the program by a receiving device.

17. (Previously Presented) A receiving device for a digital broadcast system, comprising:

a receiver that receives contents; and

a restoration device that determines, before attempting to restore the contents, whether the contents are restorable based on information on the type of the contents, and when not restorable, performs a restoration process on the contents after acquiring a program based on acquisition location information.

18. (Previously Presented) The receiving device of claim 17, wherein the receiving device determines whether or not the program can be acquired on the basis of necessary condition information received.

19. (Previously Presented) The receiving device of claim 17, wherein the acquisition location information is a URL on the Internet.

20. (Previously Presented) The receiving device of claim 19, wherein the receiving device is provided with an Internet connecting section for downloading digital information.

21. (Previously Presented) The receiving device of claim 17, wherein the acquisition location information specifies the location of a program to be broadcast.

22. (Previously Presented) A method for controlling a computer comprising part of a receiving device, comprising:

determining whether contents are restorable based on information on the type of the contents before performing a restoration process on the contents,

and, if it is determined that the contents are not restorable, acquiring a program based on acquisition location information, and performing a restoration process on the contents based upon the program.

23. (Previously Presented) The method of claim 22, further comprising determining whether the program can be acquired based on necessary condition information received.

24. (Previously Presented) A digital broadcast method for broadcasting contents from a broadcasting party to at least one receiving party, comprising:

multiplexing and broadcasting the contents, information on the type of the contents, and information on a location where a program for restoring the contents is to be acquired,

determining whether the contents are restorable based on the information on the type of contents before performing a restoration process on the contents, and

if it is determined that the contents are not restorable, acquiring the program based on the acquisition location information, and performing the restoration process on the contents.

25. (Previously Presented) The digital broadcast method of claim 24, further comprising broadcasting information on conditions necessary for acquiring a program, and determining whether the program can be acquired based on the necessary condition information received.

26. (Withdrawn) A digital broadcast system comprising a broadcast device and a receiving device, wherein the broadcast device broadcasts information on the location for acquiring digital information to be downloaded on the receiving device side, and also broadcasts conditions necessary for downloading the digital information as necessary for condition information,

and wherein the receiving device makes a determination whether or not the digital information can be downloaded on the basis of the necessary condition information before starting downloading the digital information.

27. (Withdrawn) A broadcast device for a digital broadcast system, wherein the device broadcasts acquisition location information on the digital information to be downloaded on the receiving device side, and also broadcasts conditions necessary for downloading the digital information as necessary condition information.

28. (Withdrawn) A receiving device for a digital broadcast system, wherein the device makes a determination whether or not the digital information coming on the air can be downloaded on the basis of the necessary condition information when starting downloading the digital information.

29. (Withdrawn) A receiving device of claim 28, wherein the acquisition location information is a URL on the Internet where the digital information is recorded.

30. (Withdrawn) A receiving device of claim 29, wherein the receiving device is provided with a connecting section to the Internet for downloading the digital information.

31. (Withdrawn) A receiving device of claim 28, wherein the acquisition location information is the information for specifying the digital information sent to come through broadcast.

32. (Withdrawn) A reception program for controlling a computer constituting part of a receiving device, wherein a determination is made whether or not the digital information can be downloaded on the basis of the necessary condition information sent and coming through broadcast when starting downloading digital information.

33. (Withdrawn) A method of digital broadcast for broadcasting contents from a broadcasting party to a receiving party or parties, comprising the steps of:

broadcasting acquisition location information on the digital information to be downloaded on the receiving side by the broadcasting side, and also broadcasting conditions necessary for downloading the digital information as necessary condition information, and



making a determination whether or not the digital information can be downloaded on the basis of the necessary condition information when starting downloading the digital information by the receiving side.

34. (Previously Presented) A method for communicating information, comprising:

transmitting contents together with information on the type of the contents,  
determining whether the contents are to be restored based on the contents type information and,

not performing a restoration process on the contents when it is determined that the contents are not to be restored.

35. (Withdrawn) A digital broadcast receiving device comprising:

receiving means for receiving a transport stream sent and coming repeatedly in packets according to a transmission protocol,

sorting means for sorting out and outputting according to present sorting conditions the packets to be sorted out from the packets received,

sorting condition changing means for changing the sorting conditions so that a specified file can be acquired, when information to refer to other files is described in self-descriptive type of data stored in the outputted packets,

display data creating means for creating display data based on the self-descriptive type of data stored in the packets sorted out, and

bit flag determination means for comparing the bit information, with which the types of image files and applications are specified in the transport stream repeatedly sent to come, with the bit information specified in advance on the receiving device side, and for determining one of an image file is to be decoded and an application is to be executed at the time of decoding in the receiving device.

36. (New) The digital broadcast system according to claim 1, wherein the information on the type of the contents comprises indicia indicating whether or not each of a plurality of types of contents are included in the contents.

37. (New) The digital broadcast system according to claim 1, wherein the information on the type of the contents comprises a plurality of flags, each flag corresponding to a particular file type and indicating whether the contents includes the particular file type.